



OC PUBLIC WORKS DEPARTMENT

JAMES TREADAWAY, DIRECTOR OF PUBLIC WORKS

KEVIN HILLS, COUNTY SURVEYOR



DANA POINT NIGUEL SHORES

REVETMENT REPAIR

SECTIONS WERE DERIVED FROM "NIGUEL SHORES RESTORATION OF PHASE 1 STANDARD REVETMENT" PLAN DATED JULY 12, 2023, AND O.C.S TOPOGRAPHIC SURVEY DATED AUGUST, 2023.

THIS DOCUMENT IS SUPPLEMENTAL TO THE TOPOGRAPHIC SURVEY MAP DATED AUGUST, 2023.

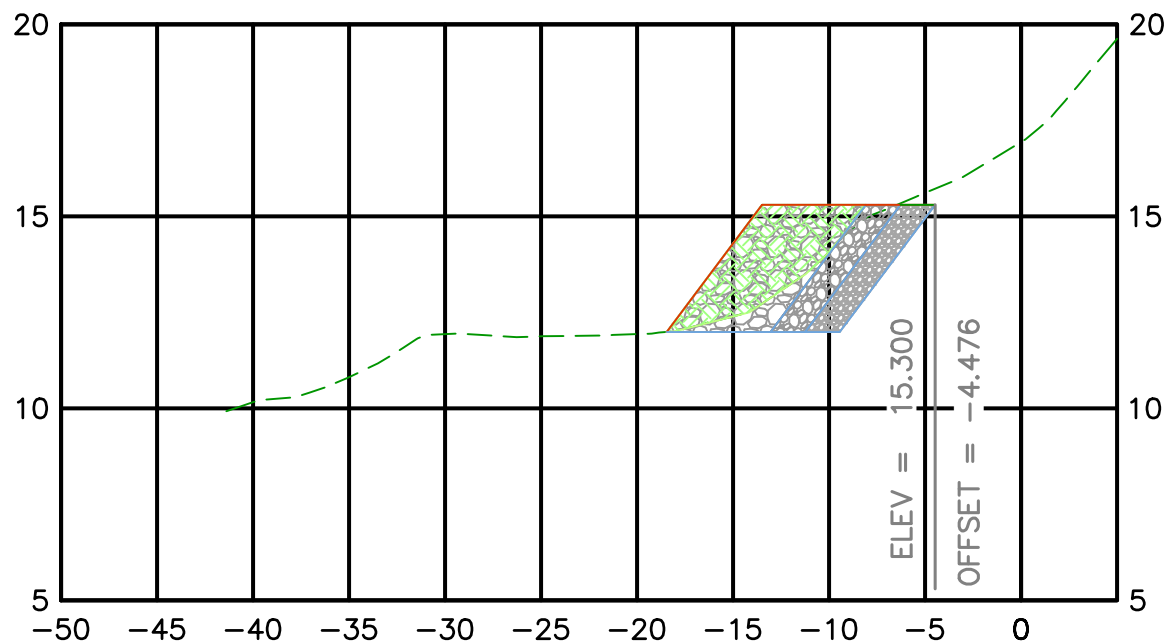
PROJECT CROSS SECTIONS

U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping



DANA POINT
10+00.00
CL

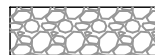


LEGEND

AREA PATTERN KEY



Fill



Rip Rap

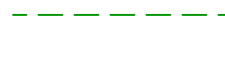


Gravel



Subbase

EXISTING CONDITION 2023: O.C.S. TOPOGRAPHIC SURVEY
DESIGN SURFACE: PER "NIGUEL SHORES RESTORATION OF
PHASE 1 REVETMENT" PLANS



Vert. Scale: 1"=5'

Hor. Scale: 1"=10'

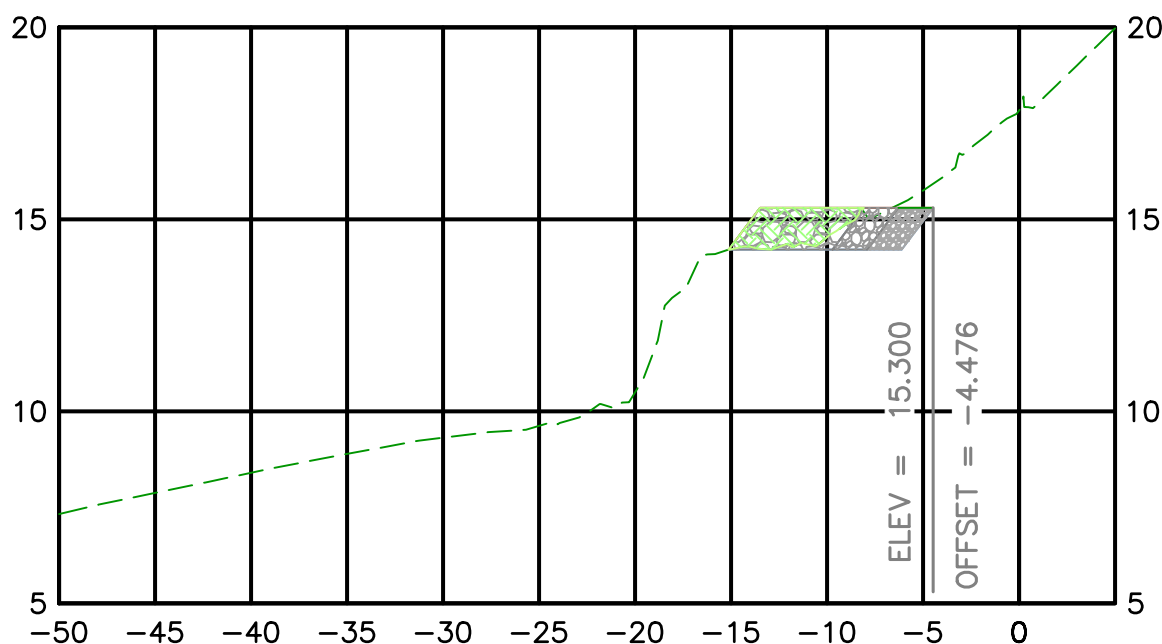
DATE PREPARED: 08/03/2023

U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

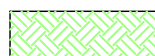


DANA POINT
10+50.00
CL

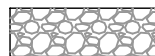


LEGEND

AREA PATTERN KEY



Fill



Rip Rap

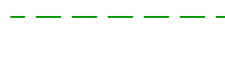


Gravel



Subbase

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DESIGN SURFACE: PER "NIGUEL SHORES RESTORATION OF
PHASE 1 REVETMENT" PLANS



Vert. Scale: 1"=5'

Hor. Scale: 1"=10'

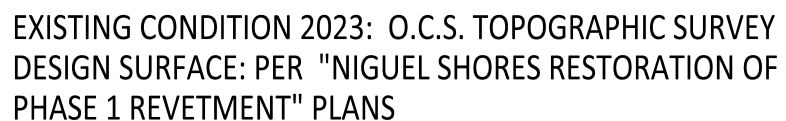
DATE PREPARED: 08/03/2023



LEGEND

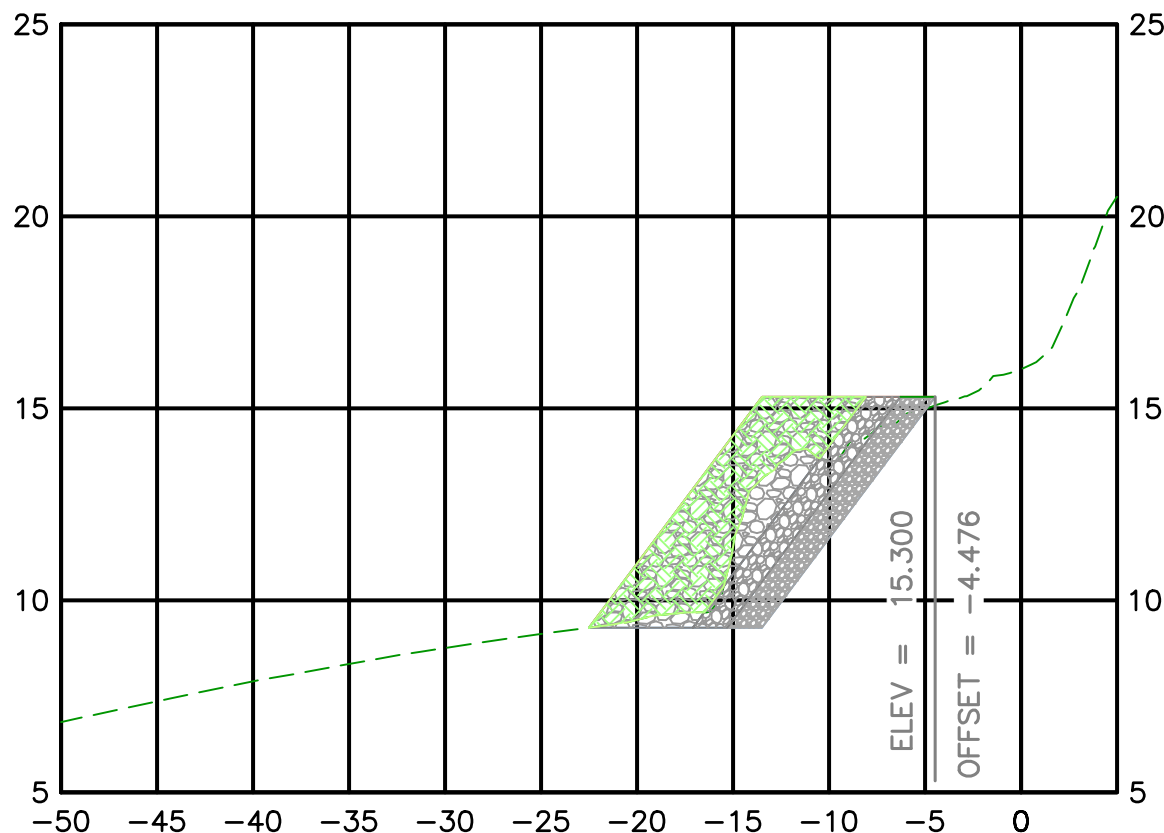


Subbase



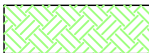
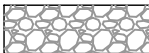
Hor. Scale: 1"=10'

DATE PREPARED: 08/03/2023

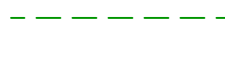


LEGEND

AREA PATTERN KEY

-  Fill
-  Rip Rap
-  Gravel
-  Subbase

EXISTING CONDITION 2023: O.C.S. TOPOGRAPHIC SURVEY
 DESIGN SURFACE: PER "NIGUEL SHORES RESTORATION OF
 PHASE 1 REVETMENT" PLANS



Vert. Scale: 1"=5'

Hor. Scale: 1"=10'

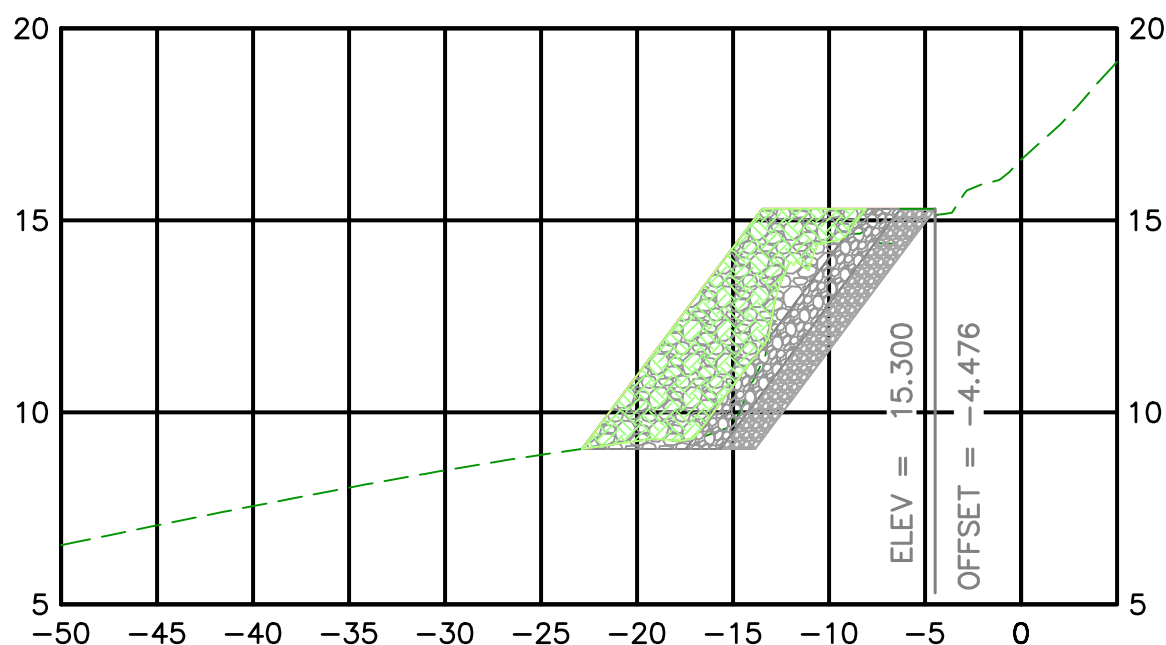
DATE PREPARED: 08/03/2023



LEGEND



Subbase



Hor. Scale: 1"=10'

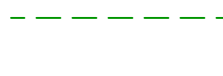
DATE PREPARED: 08/03/2023



LEGEND



EXISTING CONDITION 2023: O.C.S. TOPOGRAPHIC SURVEY
DESIGN SURFACE: PER "NIGUEL SHORES RESTORATION OF
PHASE 1 REVETMENT" PLANS



Hor. Scale: 1"=10'

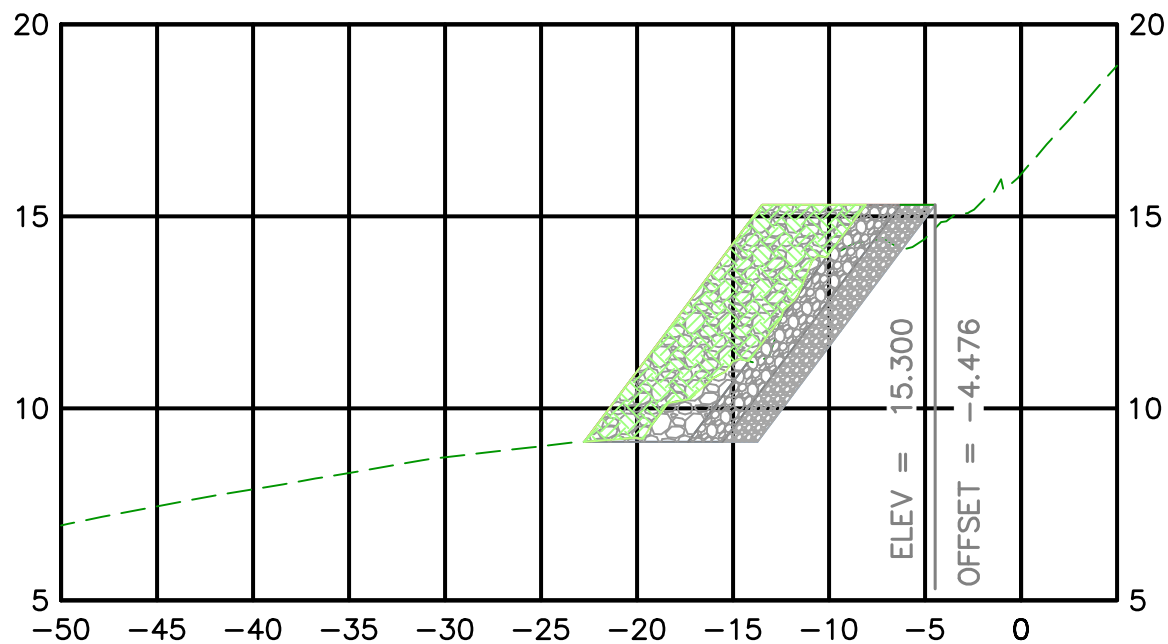
DATE PREPARED: 08/03/2023

U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

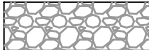


DANA POINT
13+00.00
CL

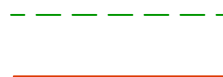


LEGEND

AREA PATTERN KEY

-  Fill
-  Rip Rap
-  Gravel
-  Subbase

EXISTING CONDITION 2023: O.C.S. TOPOGRAPHIC SURVEY
DESIGN SURFACE: PER "NIGUEL SHORES RESTORATION OF
PHASE 1 REVETMENT" PLANS



Vert. Scale: 1"=5'
Hor. Scale: 1"=10'

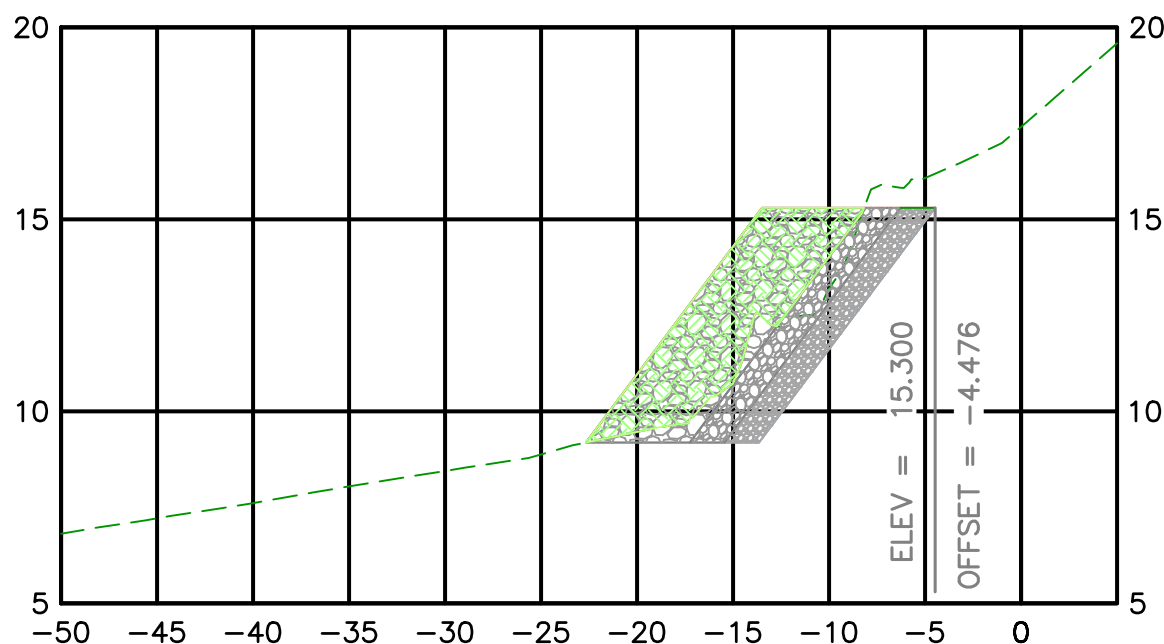
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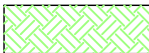
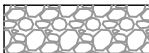


DANA POINT
13+50.00
CL

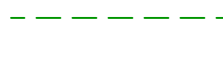


LEGEND

AREA PATTERN KEY

-  Fill
-  Rip Rap
-  Gravel
-  Subbase

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Hor. Scale: 1"=10'

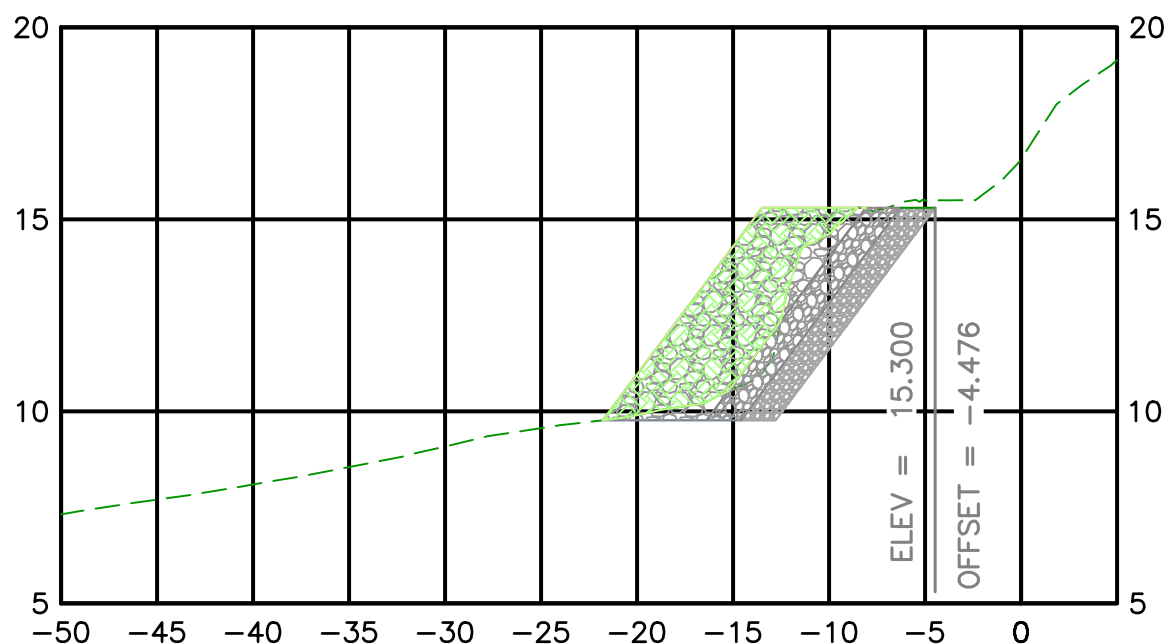
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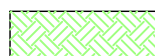


DANA POINT
14+00.00
CL

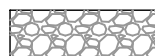


LEGEND

AREA PATTERN KEY



Fill



Rip Rap

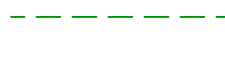


Gravel



Subbase

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DESIGN SURFACE: PER "NIGUEL SHORES RESTORATION OF
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Vert. Scale: 1"=5'

Hor. Scale: 1"=10'

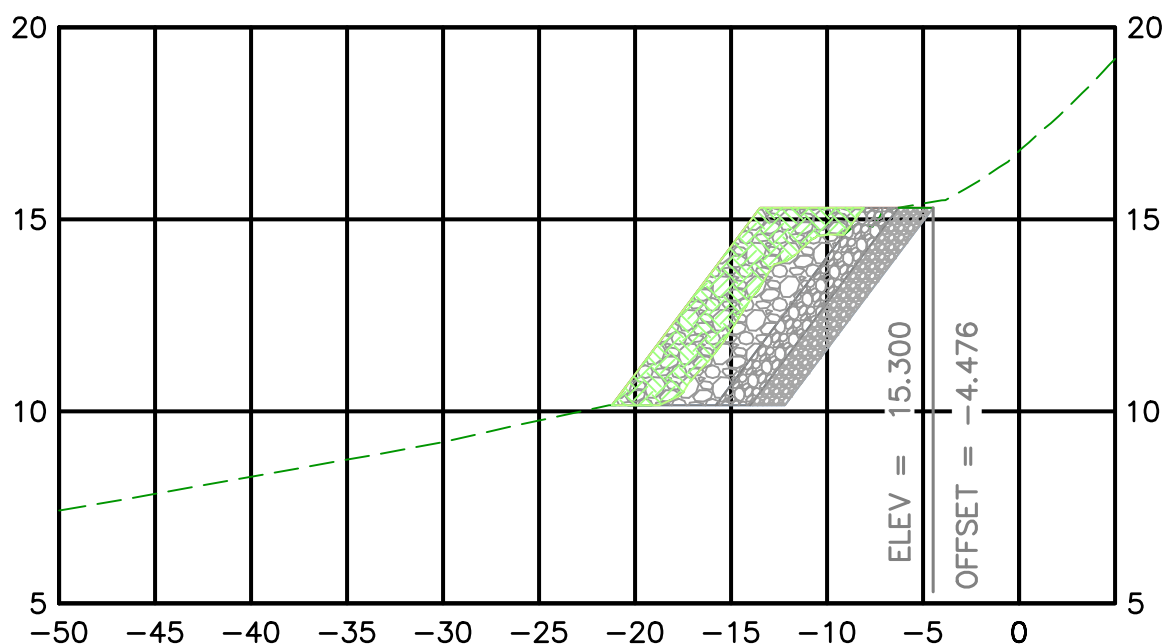
DATE PREPARED: 08/03/2023

U.S. Survey Foot

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OC Survey/Field Services
Boundary Analysis & Mapping

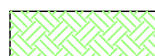


DANA POINT
14+50.00
CL

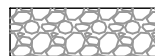


LEGEND

AREA PATTERN KEY



Fill



Rip Rap



Gravel



Subbase

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DESIGN SURFACE: PER "NIGUEL SHORES RESTORATION OF
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Vert. Scale: 1"=5'

Hor. Scale: 1"=10'

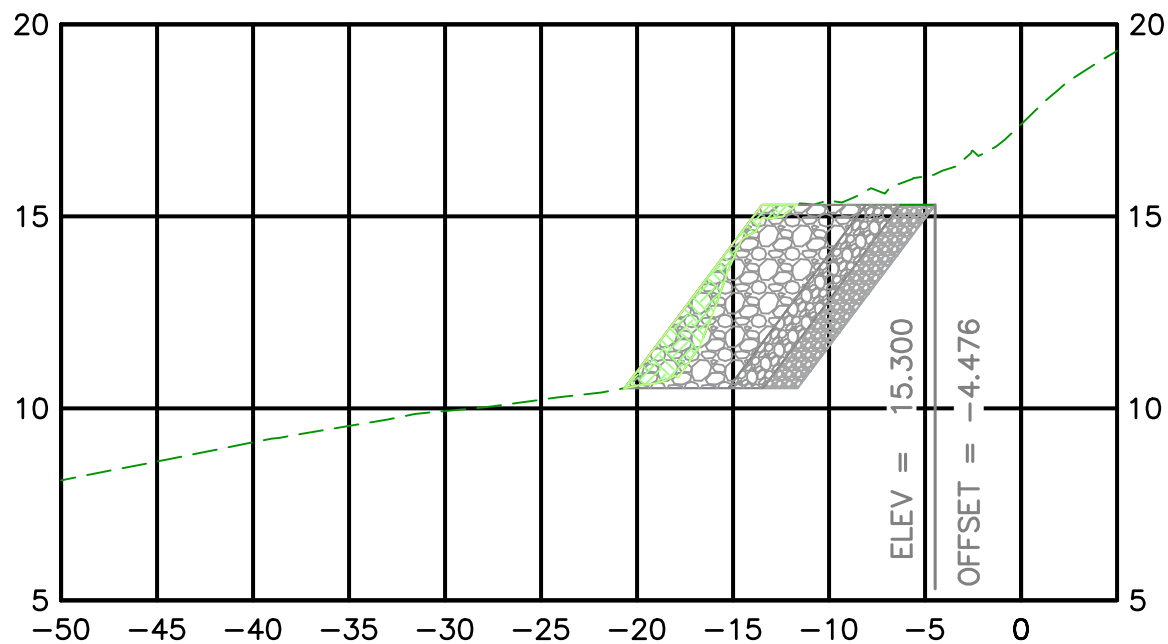
DATE PREPARED: 08/03/2023

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Boundary Analysis & Mapping

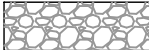


DANA POINT
15+00.00
CL

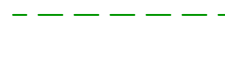


LEGEND

AREA PATTERN KEY

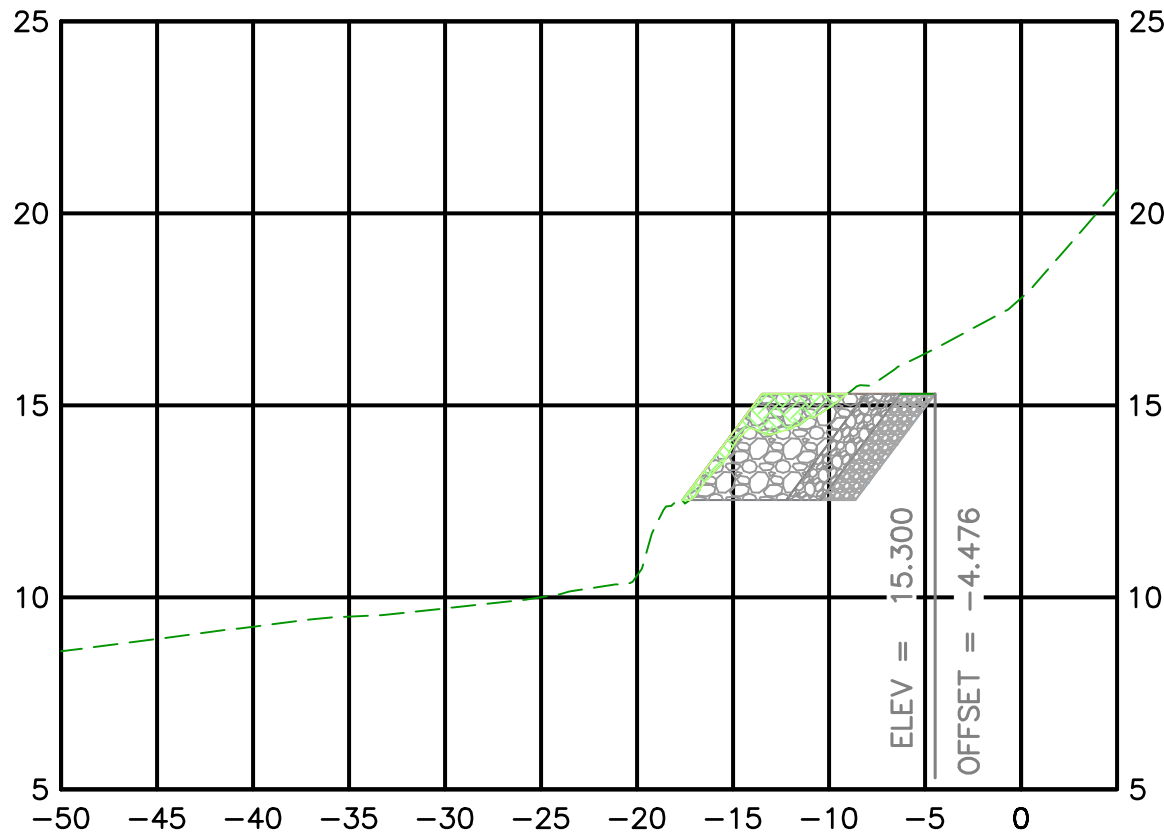
-  Fill
-  Rip Rap
-  Gravel
-  Subbase

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DESIGN SURFACE: PER "NIGUEL SHORES RESTORATION OF
PHASE 1 REVETMENT" PLANS



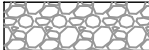
Vert. Scale: 1"=5'
Hor. Scale: 1"=10'

DATE PREPARED: 08/03/2023

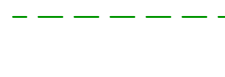


LEGEND

AREA PATTERN KEY

-  Fill
-  Rip Rap
-  Gravel
-  Subbase

EXISTING CONDITION 2023: O.C.S. TOPOGRAPHIC SURVEY
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Vert. Scale: 1"=5'
 Hor. Scale: 1"=10'

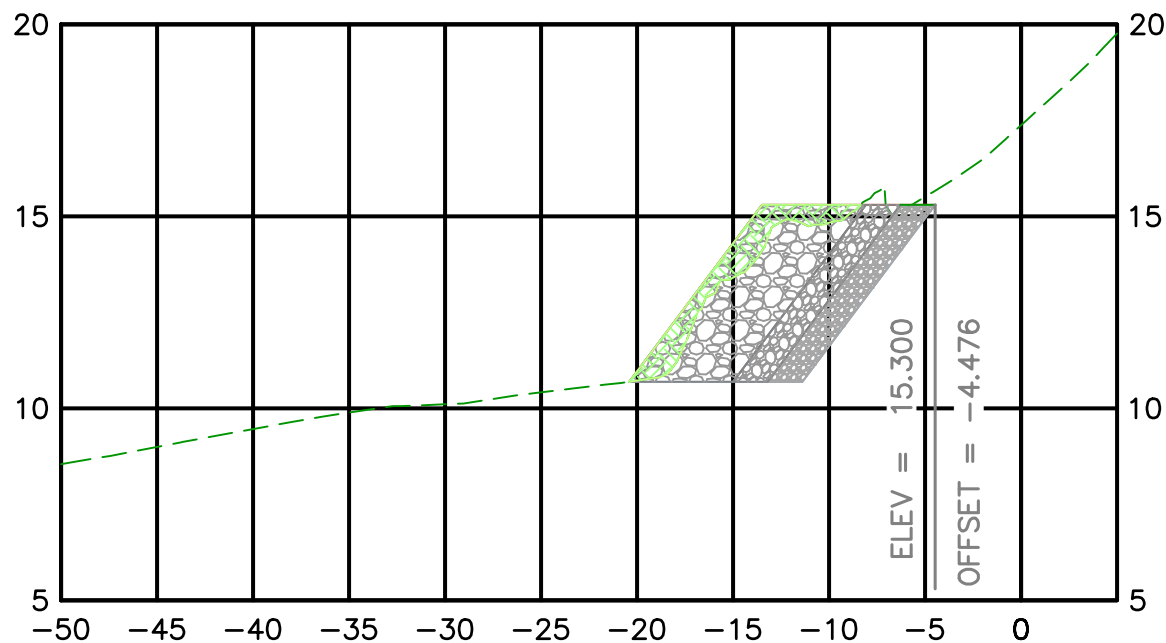
DATE PREPARED: 08/03/2023

U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping



DANA POINT
16+00.00
CL

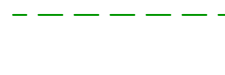


LEGEND

AREA PATTERN KEY

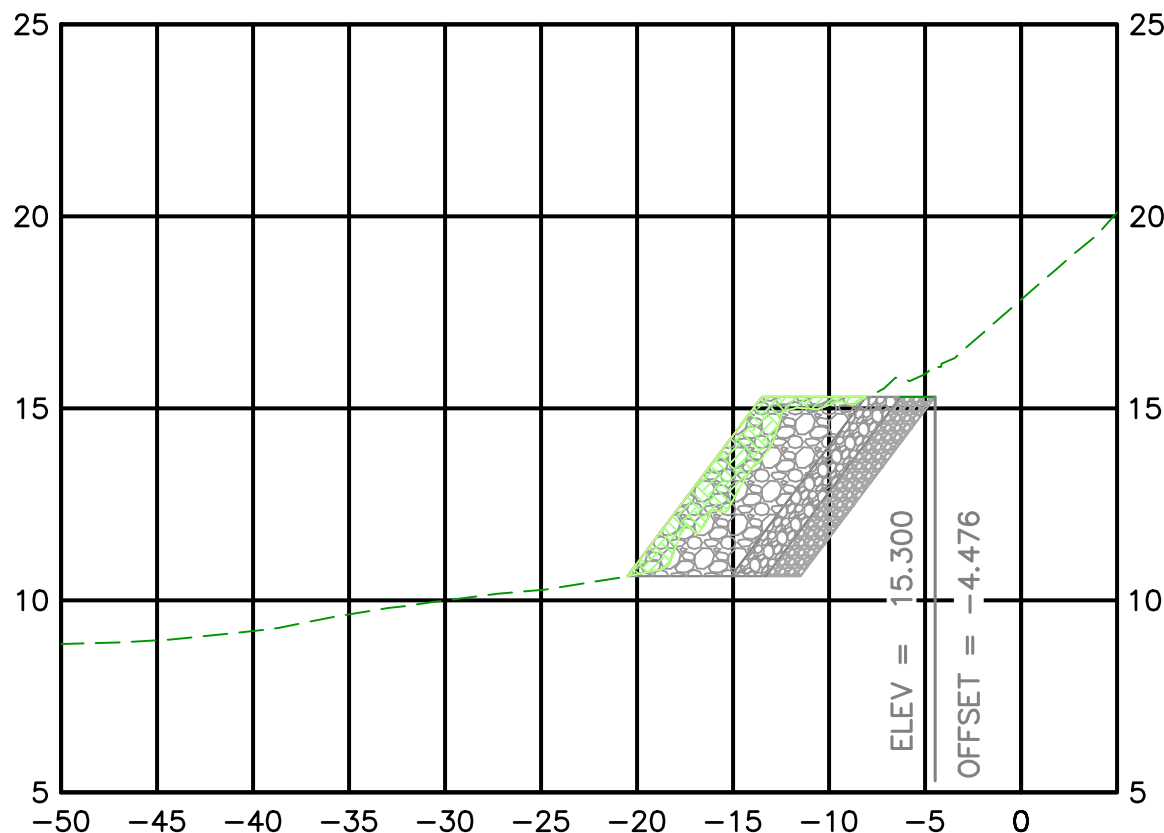
	Fill
	Rip Rap
	Gravel
	Subbase

EXISTING CONDITION 2023: O.C.S. TOPOGRAPHIC SURVEY
DESIGN SURFACE: PER "NIGUEL SHORES RESTORATION OF
PHASE 1 REVETMENT" PLANS



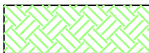
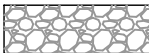
Vert. Scale: 1"=5'
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DATE PREPARED: 08/03/2023

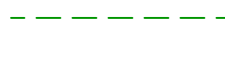


LEGEND

AREA PATTERN KEY

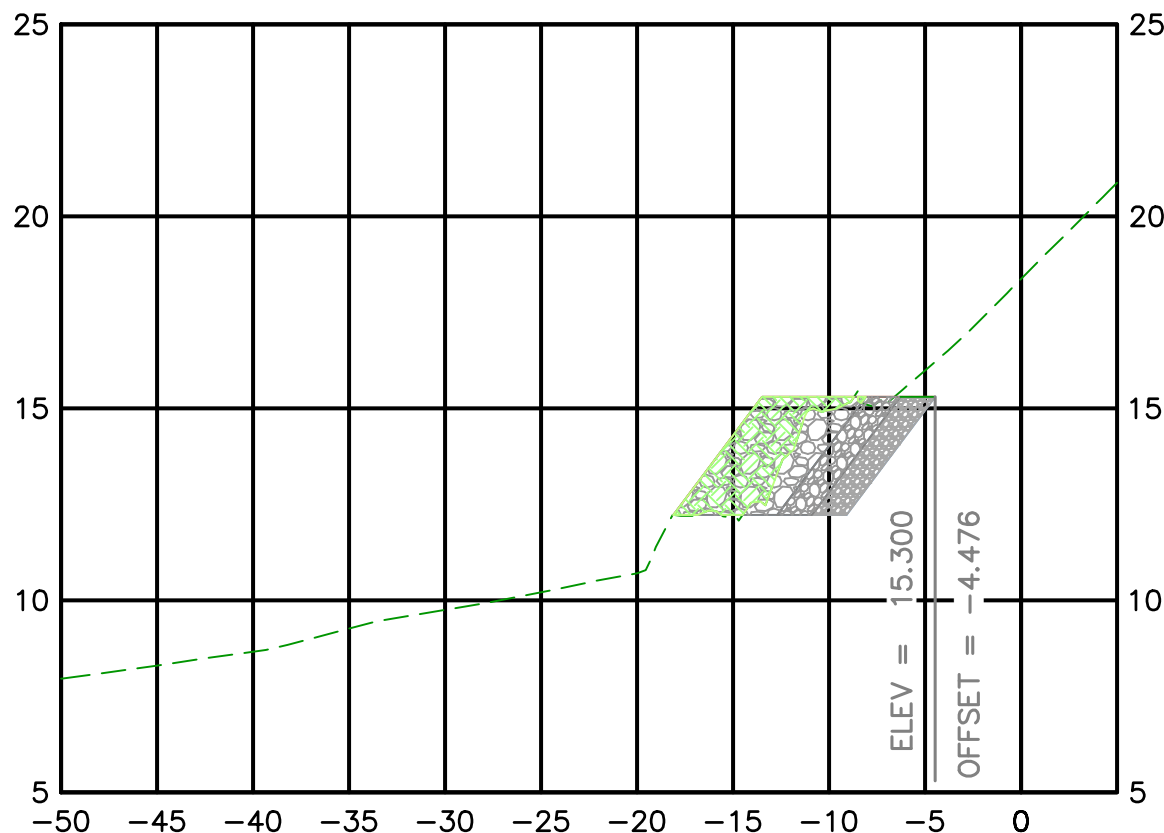
-  Fill
-  Rip Rap
-  Gravel
-  Subbase

EXISTING CONDITION 2023: O.C.S. TOPOGRAPHIC SURVEY
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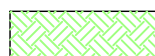
Vert. Scale: 1"=5'
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DATE PREPARED: 08/03/2023

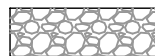


LEGEND

AREA PATTERN KEY



Fill



Rip Rap

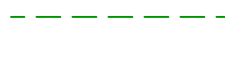


Gravel



Subbase

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Vert. Scale: 1"=5'

Hor. Scale: 1"=10'

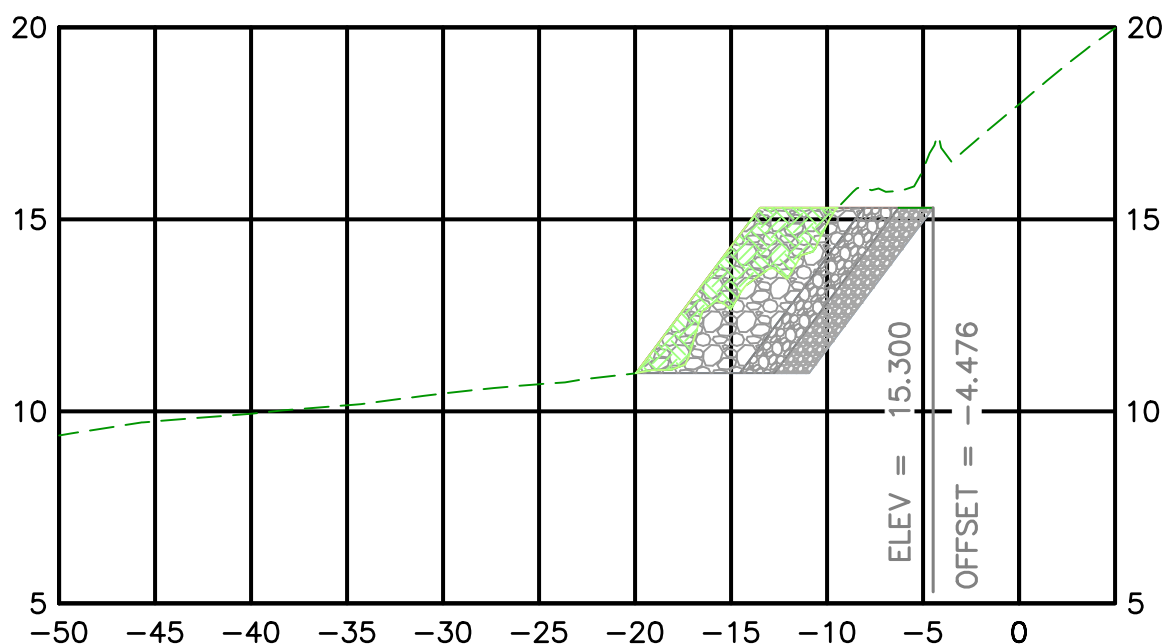
DATE PREPARED: 08/03/2023

U.S. Survey Foot

OC Public Works
OC Survey/Field Services
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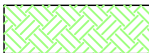
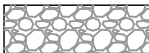


DANA POINT
17+50.00
CL

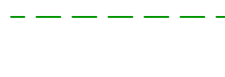


LEGEND

AREA PATTERN KEY

-  Fill
-  Rip Rap
-  Gravel
-  Subbase

EXISTING CONDITION 2023: O.C.S. TOPOGRAPHIC SURVEY
DESIGN SURFACE: PER "NIGUEL SHORES RESTORATION OF
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Vert. Scale: 1"=5'

Hor. Scale: 1"=10'

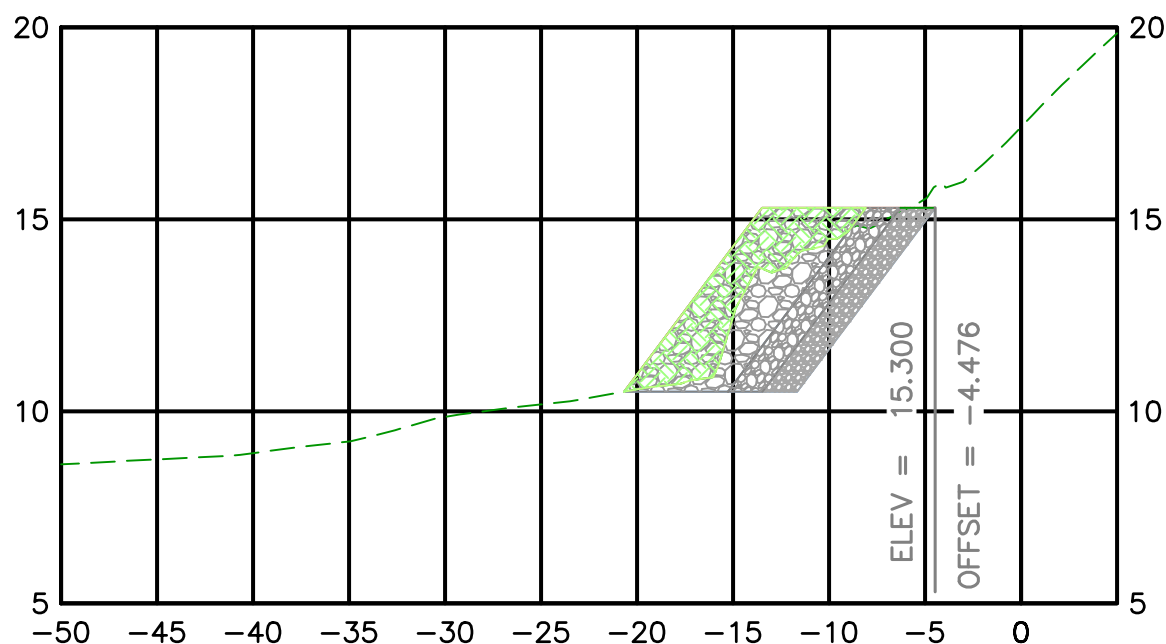
DATE PREPARED: 08/03/2023

U.S. Survey Foot

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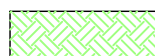


DANA POINT
18+00.00
CL

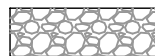


LEGEND

AREA PATTERN KEY



Fill



Rip Rap

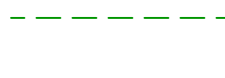


Gravel



Subbase

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PHASE 1 REVETMENT" PLANS



Vert. Scale: 1"=5'

Hor. Scale: 1"=10'

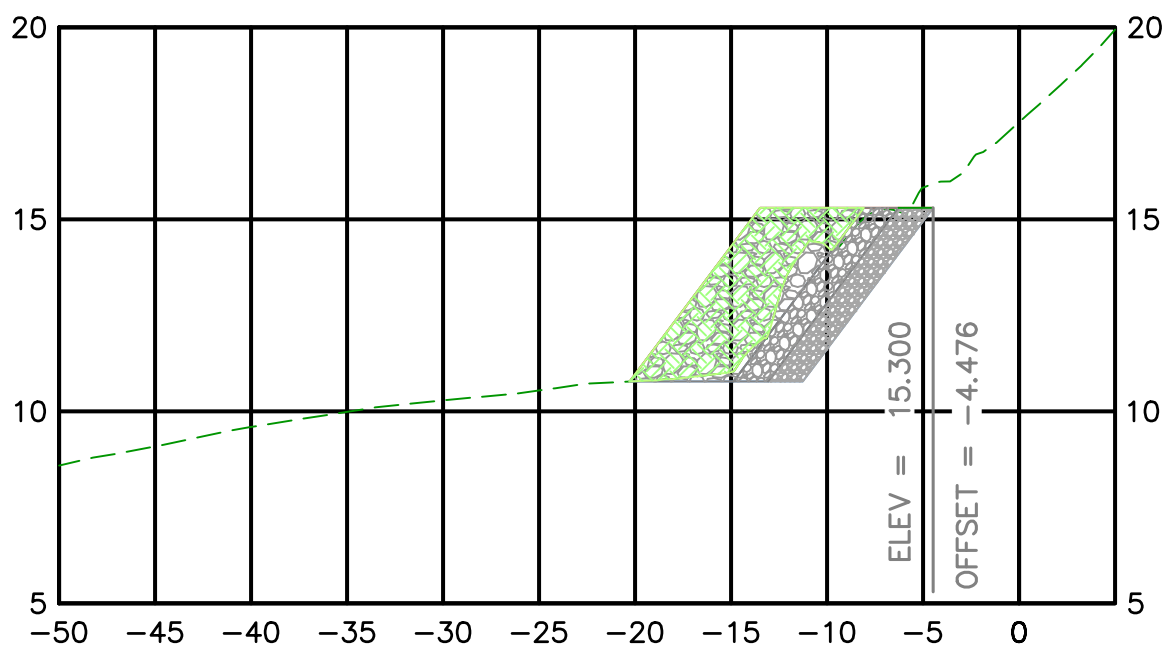
DATE PREPARED: 08/03/2023

U.S. Survey Foot

OC Public Works
OC Survey/Field Services
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DANA POINT
18+50.00
CL

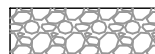


LEGEND

AREA PATTERN KEY



Fill



Rip Rap

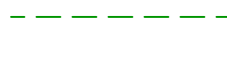


Gravel



Subbase

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Vert. Scale: 1"=5'

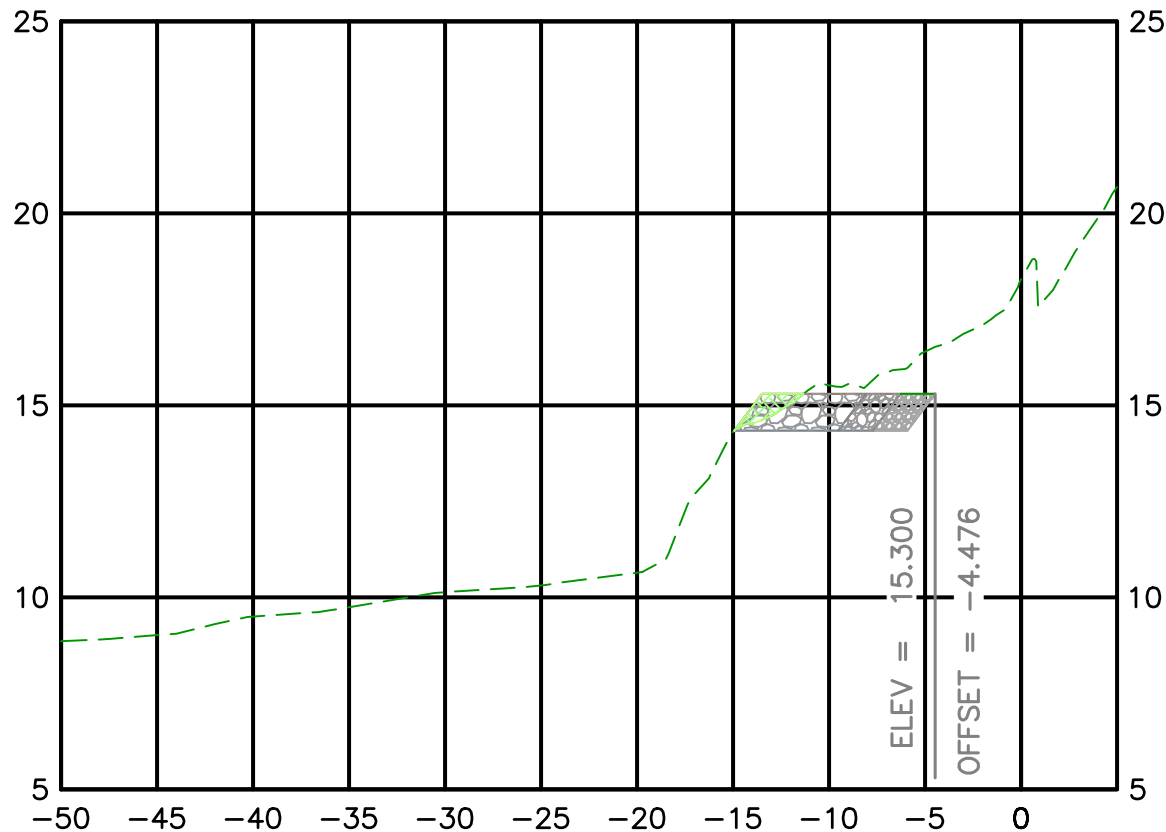
Hor. Scale: 1"=10'

DATE PREPARED: 08/03/2023

U.S. *Survey*
Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

DANA POINT
19+00.00
CL

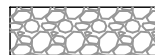


LEGEND

AREA PATTERN KEY



Fill



Rip Rap

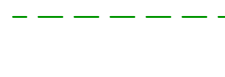


Gravel



Subbase

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Vert. Scale: 1"=5'

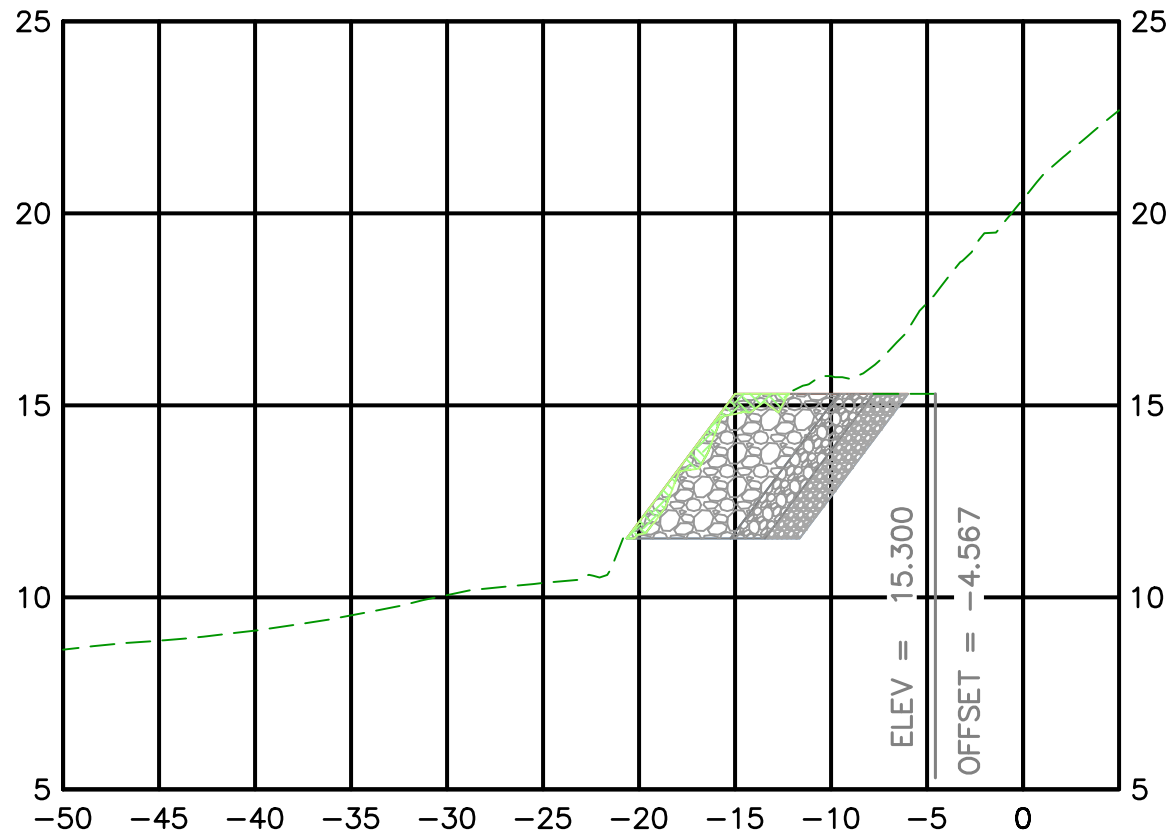
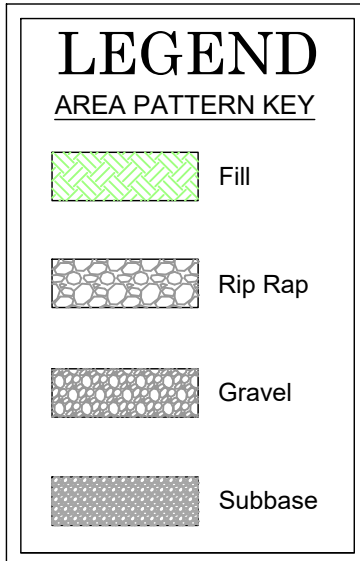
Hor. Scale: 1"=10'

DATE PREPARED: 08/03/2023

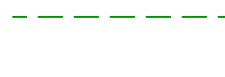
U.S. *Survey
Foot*

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

DANA POINT
19+50.00
CL

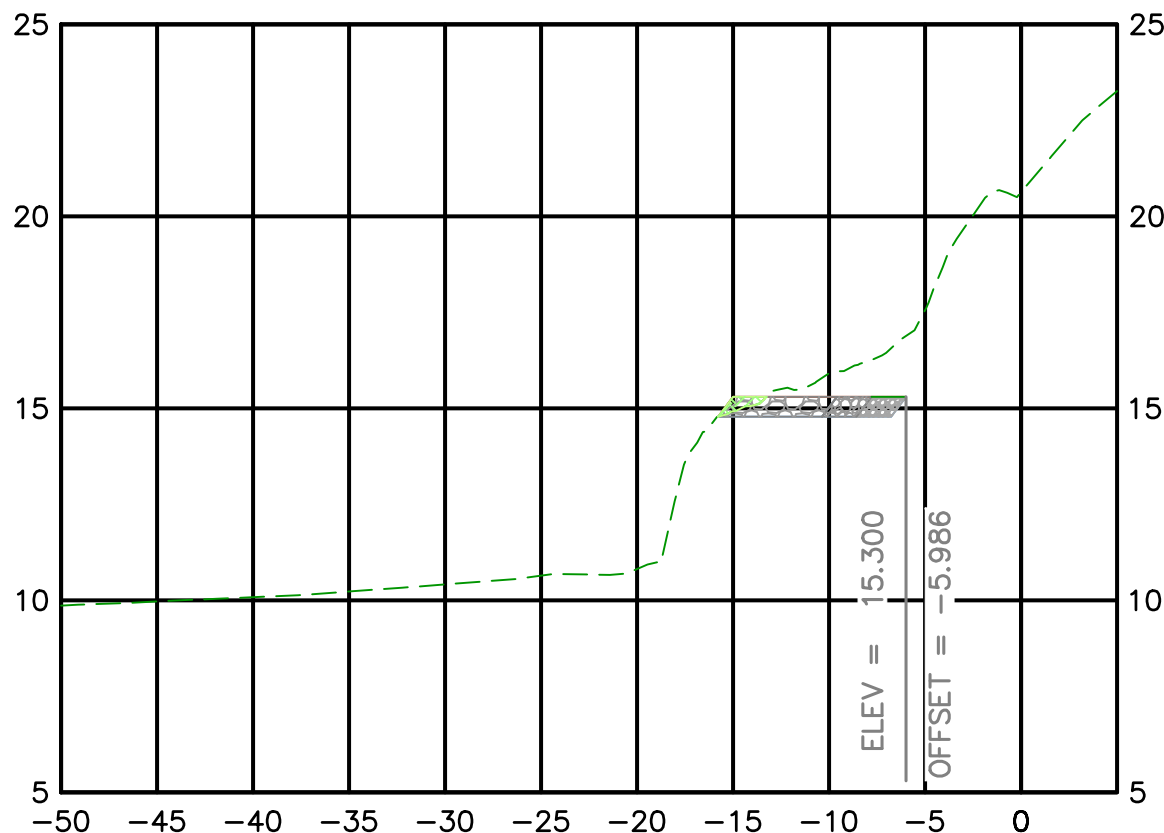


EXISTING CONDITION 2023: O.C.S. TOPOGRAPHIC SURVEY
DESIGN SURFACE: PER "NIGUEL SHORES RESTORATION OF
PHASE 1 REVETMENT" PLANS



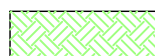
Vert. Scale: 1"=5'
Hor. Scale: 1"=10'

DATE PREPARED: 08/03/2023

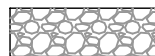


LEGEND

AREA PATTERN KEY



Fill



Rip Rap

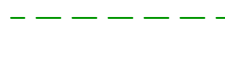


Gravel



Subbase

EXISTING CONDITION 2023: O.C.S. TOPOGRAPHIC SURVEY
 DESIGN SURFACE: PER "NIGUEL SHORES RESTORATION OF
 PHASE 1 REVETMENT" PLANS



Vert. Scale: 1"=5'

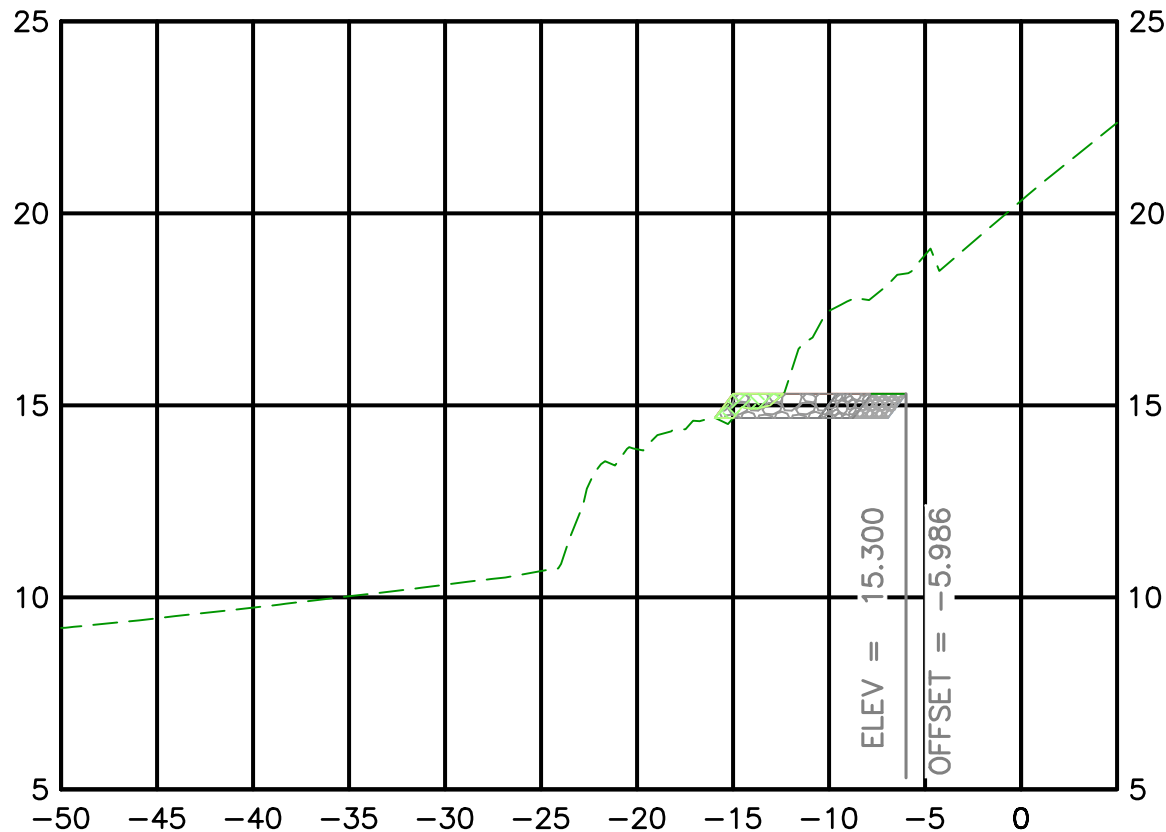
Hor. Scale: 1"=10'

DATE PREPARED: 08/03/2023

U.S. Survey Foot

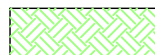
OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

DANA POINT
20+50.00
CL

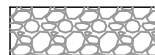


LEGEND

AREA PATTERN KEY



Fill



Rip Rap

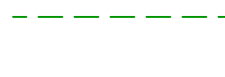


Gravel



Subbase

EXISTING CONDITION 2023: O.C.S. TOPOGRAPHIC SURVEY
DESIGN SURFACE: PER "NIGUEL SHORES RESTORATION OF
PHASE 1 REVETMENT" PLANS



Vert. Scale: 1"=5'
Hor. Scale: 1"=10'

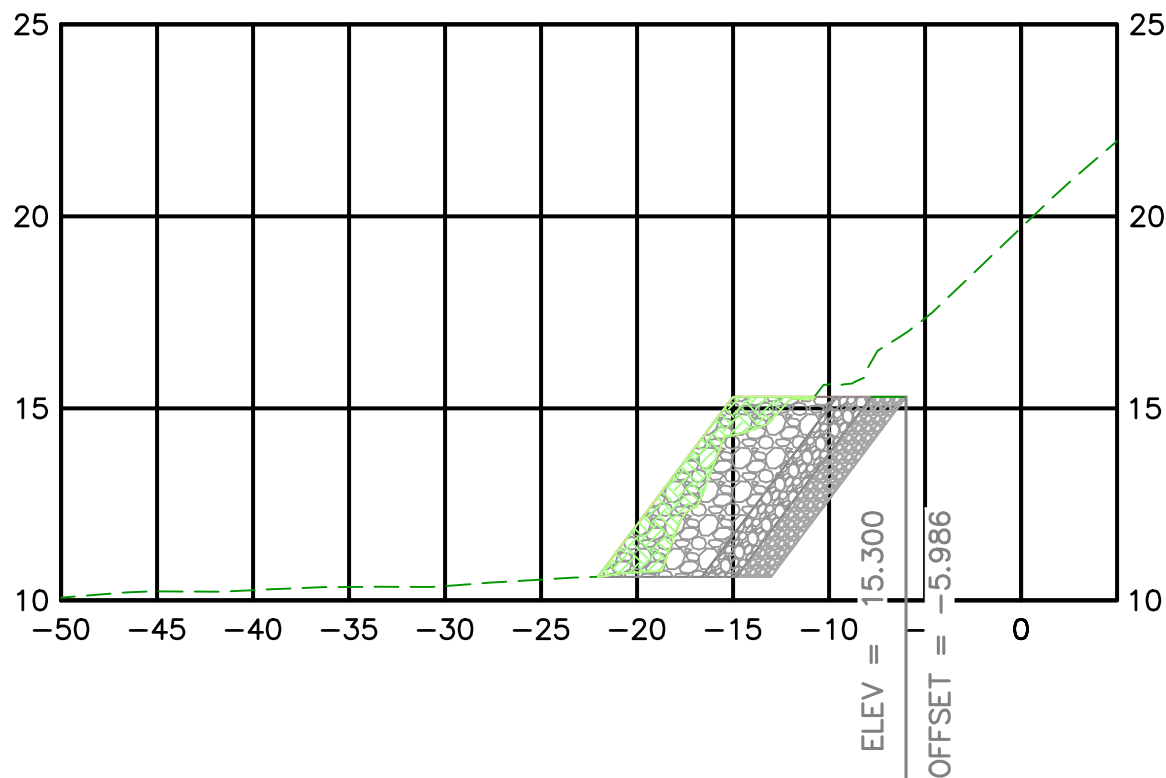
DATE PREPARED: 08/03/2023

U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

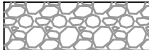


DANA POINT 21+00.00 CL

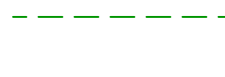


LEGEND

AREA PATTERN KEY

-  Fill
-  Rip Rap
-  Gravel
-  Subbase

EXISTING CONDITION 2023: O.C.S. TOPOGRAPHIC SURVEY
DESIGN SURFACE: PER "NIGUEL SHORES RESTORATION OF
PHASE 1 REVETMENT" PLANS



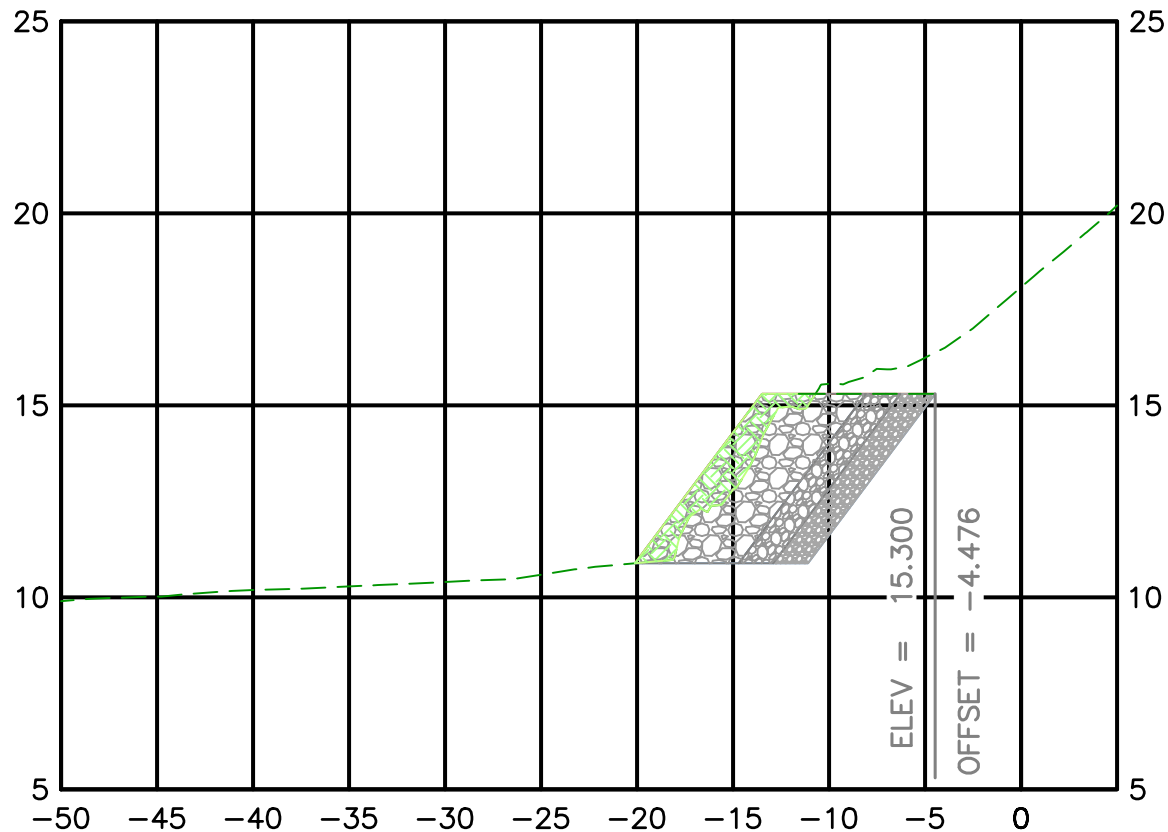
Vert. Scale: 1"=5'
Hor. Scale: 1"=10'

DATE PREPARED: 08/03/2023

U.S. Survey Foot

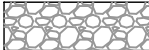
OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

DANA POINT
21+50.00
CL

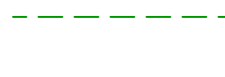


LEGEND

AREA PATTERN KEY

-  Fill
-  Rip Rap
-  Gravel
-  Subbase

EXISTING CONDITION 2023: O.C.S. TOPOGRAPHIC SURVEY
DESIGN SURFACE: PER "NIGUEL SHORES RESTORATION OF
PHASE 1 REVETMENT" PLANS



Vert. Scale: 1"=5'
Hor. Scale: 1"=10'

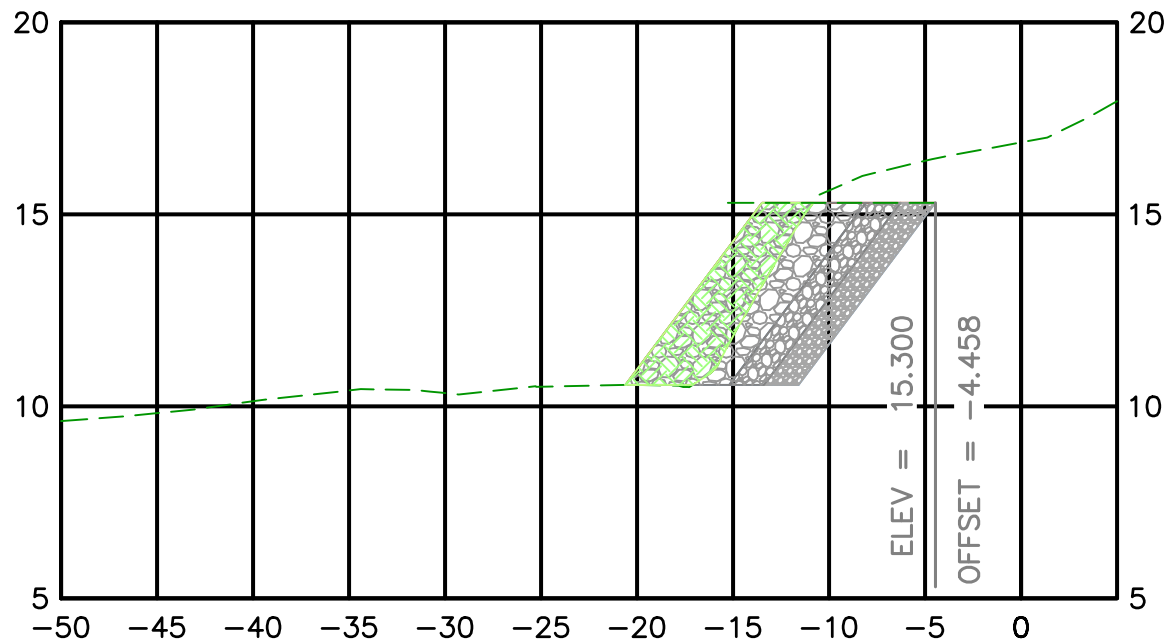
DATE PREPARED: 08/03/2023

U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

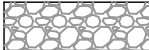


DANA POINT
22+00.00
CL

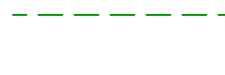


LEGEND

AREA PATTERN KEY

-  Fill
-  Rip Rap
-  Gravel
-  Subbase

EXISTING CONDITION 2023: O.C.S. TOPOGRAPHIC SURVEY
DESIGN SURFACE: PER "NIGUEL SHORES RESTORATION OF
PHASE 1 REVETMENT" PLANS



Vert. Scale: 1"=5'
Hor. Scale: 1"=10'

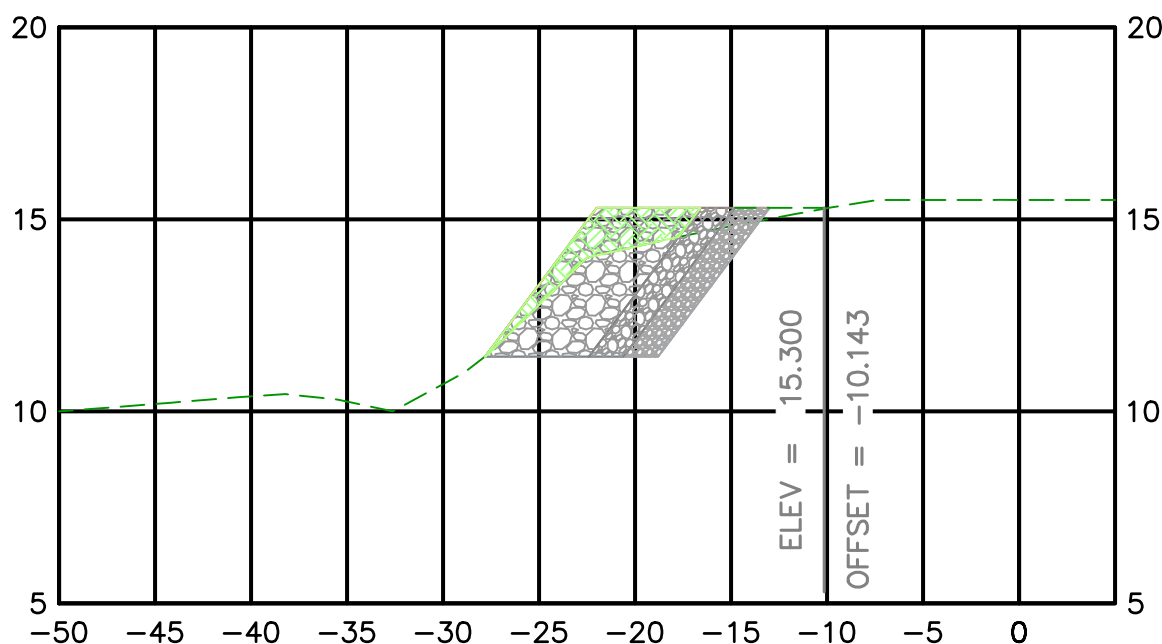
DATE PREPARED: 08/03/2023

U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

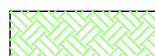


DANA POINT 22+50.00 CL

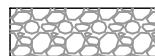


LEGEND

AREA PATTERN KEY



Fill



Rip Rap

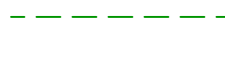


Gravel



Subbase

EXISTING CONDITION 2023: O.C.S. TOPOGRAPHIC SURVEY
DESIGN SURFACE: PER "NIGUEL SHORES RESTORATION OF
PHASE 1 REVETMENT" PLANS



Vert. Scale: 1"=5'

Hor. Scale: 1"=10'

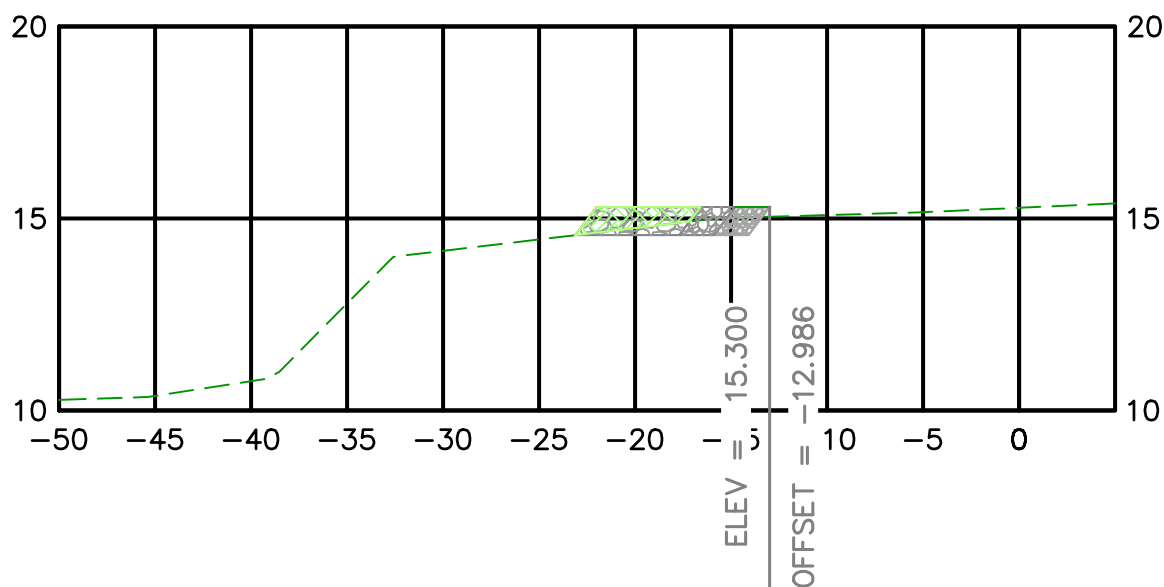
DATE PREPARED: 08/03/2023

U.S. *Survey Foot*

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

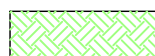


DANA POINT 23+00.00 CL

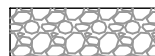


LEGEND

AREA PATTERN KEY



Fill



Rip Rap

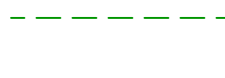


Gravel



Subbase

EXISTING CONDITION 2023: O.C.S. TOPOGRAPHIC SURVEY
DESIGN SURFACE: PER "NIGUEL SHORES RESTORATION OF
PHASE 1 REVETMENT" PLANS



Vert. Scale: 1"=5'

Hor. Scale: 1"=10'

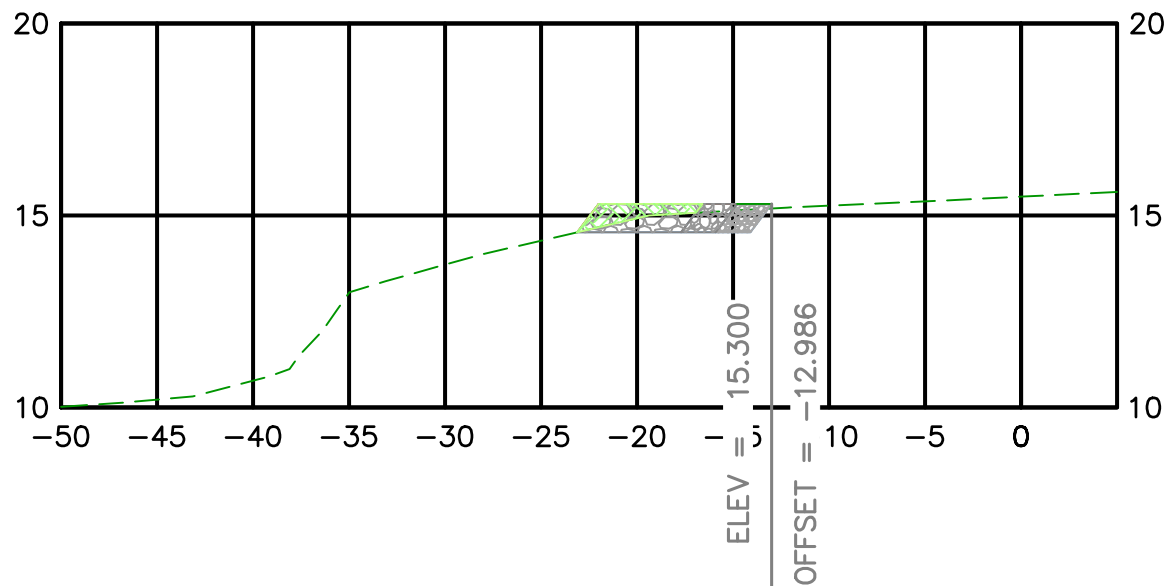
DATE PREPARED: 08/03/2023

U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

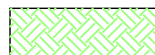


DANA POINT 23+50.00 CL

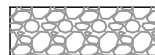


LEGEND

AREA PATTERN KEY



Fill



Rip Rap

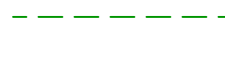


Gravel



Subbase

EXISTING CONDITION 2023: O.C.S. TOPOGRAPHIC SURVEY
DESIGN SURFACE: PER "NIGUEL SHORES RESTORATION OF
PHASE 1 REVETMENT" PLANS



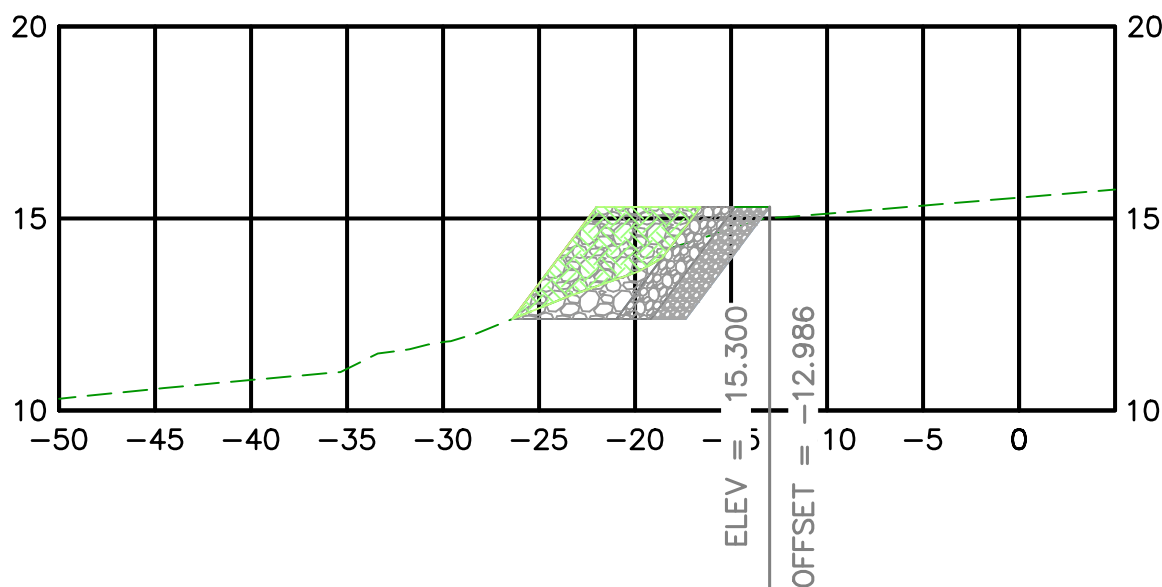
Vert. Scale: 1"=5'

Hor. Scale: 1"=10'

DATE PREPARED: 08/03/2023

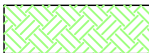
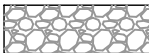


DANA POINT 24+00.00 CL

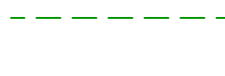


LEGEND

AREA PATTERN KEY

-  Fill
-  Rip Rap
-  Gravel
-  Subbase

EXISTING CONDITION 2023: O.C.S. TOPOGRAPHIC SURVEY
 DESIGN SURFACE: PER "NIGUEL SHORES RESTORATION OF
 PHASE 1 REVETMENT" PLANS



Vert. Scale: 1"=5'
 Hor. Scale: 1"=10'

DATE PREPARED: 08/03/2023